APPLICANT: KO, MOON KYUNG

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--KCHRHCKSIRR-RGGFCRG 51
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                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Liday, Jihong
APPLICANT: Shah, Dilip M.
APPLICANT: Shah, Dilip M.
APPLICANT: W. Yonnie J.
APPLICANT: Rosenberger, Cindy A.
APPLICANT: Rosenberger, Cindy A.
TITLE OF INVENTION: Antifungal Polypeptide and Methods for TITLE OF INVENTION: Controlling Plant Pathogenic Fungi NUMBER OF SEQUENCES: 20
CONRESPONDENCE ADDRESS:
ADDRESSEE: Charles B. Cohen, Monsanto Company, BB4F
STREET: 700 Chesterfield Village Parkway No. 6215048th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 80;
                 19.5%; Score 66; DB 4; Length 40; 39.4%; Pred. No. 0.41; tive 2; Mismatches 16; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER REALBRE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/103,489
FILING DATE: 24-JUN-1998
CLASSIFTCATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: COhen, Charles E:
REGISTRATION NUMBER: 34,565
REFERENCE/DOCKET NUMBER: 34,565
REFERENCE/DOCKET NUMBER: 337-624
TELECOMMUTCATION INFORMATION:
TELECOMMUTCATION INFORMATION:
TELECOMMUTCATION INFORMATION:
TELECOMMUTCATION ON: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 80 amino acids
TENETHER & CANTON ACID &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4 IAIIFIVLVAFCILE-DGIVEAGFGCPFNAG-----
                                                                                                                                                                                                                                              27 GCPFNAGKCHRHCKSIRRRGGFCRGTFRITCVC 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ouery Match
19.0%; Score 64.5; D.
Best Local Similarity 30.0%; Pred. No. 1.2;
Matches 21; Conservative 9; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 20, Application US/09103489 Patent No. 6215048 GENERAL: INFORMATION: APPLICANT: Liang, Jihong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 4, Application US/09442631
Patent No. 6300489
Query Match
Best Local Similarity 39.49
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No., 6300489
GENERAL INFORMATION:
APPLICANT: OH, BOUNG-JUN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              52 TFRT-TCVCY 60
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68 VFPAHKCICY 77
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: St. Louis
STATE: Missouri
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RY: USA
63198
                                                                                                                                                                                                                                                                                                                                                                                                                                               8-09-103-489-20
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-09-442-631-4
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2 KSIAIIFIVLVAFC---ILEDGIVEAGFGCPFN-AGKC--HRHCKSIRRRGGFCRGT--- 52
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                                                   TITLE OF INVENTION: SMALL AND CYSTEINE RICH ANTIFONGAL DEFENSIN AND TITLE OF INVENTION: THIONIN-LIKE PROFEIN GENES HIGHLY EXPRESSED IN THE TITLE OF INVENTION: INCOMPATIBLE INTERACTION
FILE REFERENCE: 1942/44
CURRENT APPLICATION NUMBER: US/09/442,631
CURRENT PILING DATE: 1999-11-18
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PATENTIN VO: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 18.9%; Score 64; DB 4; Length 74; Best Local Similarity 35.8%; Pred. No. 1.3; Matches 24; Conservative 8; Mismatches 23; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18-08-454-455-4

Sequence 4, Application US/08454455

Patent No. 5835601

GENERAL INFORMATION:
APPLICANT: MOLEAN, John W.
TITLE OF INVENTION: NOVEL BETA INTEGRIN SUBUNIT
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 94080
COMPOTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 720 Kb floppy disk
COMPOTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
Windatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOCTWARE: Mineatin (Generical)
SOCTWARE: Mineatin (Generical)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/45,455
FILING DATE: 30-May-1995
CLASSIFICATION DATA:
APPLICATION NATA:
APPLICATION NUMBER: 08/19389
FILING DATE: 09-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/004142
FILING DATE: 13-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/670607
FILING DATE: 14-MAR-1991
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     P0699C2D2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CIIY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Lee, Wendy M. REGISTRATION NUMBER: 00,000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Capsicum annuum
US-09-442-631-4
APPLICANT: SHIN, BYONGCHUL APPLICANT: CHUNG, CHANG HO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          53 FRITCVC 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        63 FRIQCEC 69
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX:
                                                                                                                                                                                                                                                                                                                         TYPE: PRT
                                                                                                                                                                                                                                                                   SEQ ID NO 4
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SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/377,687 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
TELECOMMUTCATION: INFORMATION:
TELEPHONE: 202-861-3000
TELEPRAX: 202-822-0944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 61.5; DB 1;
Pred. No. 2.7;
8; Mismatches 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 IAIIFIVLVAFCILE-DGIVEAGFGCPFNAG-
                                                                                                                                                                                                                                                                                            APPLICANT: CAMMUE, BRUNO P.A.
APPLICANT: OSDROKN, PRUPERT W.
APPLICANT: REES, SARAH B.
APPLICANT: TERRAS, FRANKY R.G.
APPLICANT: VANDERLEYDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
WUMBER OF SEQUENCES: 59
                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY & CUSHMAN STREET: 1100 NEW YORK AVENUE, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-7AN-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-777-192-49; Sequence 49, Application US/08777192; Patent No. 5824869; GBNERAL INFORMATION:
                                                                                                                                                                                                           Sequence 49, Application US/08377687
Patent No. 5538525
GENERAL INFORMATION:
APPLICANT: BROEKAERT, WILLEM F.
                                                                                                       597 KGQVCSG--RGTCVCGR 611
                                                            45 RGGFCRGTFRTTCVCYR 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18.1%;
ilarity 30.0%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : LENGTH: 80 amino acids

: TYPE: amino acid

: TOPOLOGY: linear

: MOLECULE TYPE: protein

US-08-377-687-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     52 TFRT-TCVCY 60
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Best Local Similarity
Matches 21; Conserv?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: WASHINGTON STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: U
                                                                                                                                                                                           US-08-377-687-49
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                                                                                                                                                                         Gaps
                                                                                                                                                                         39;
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                                                                                                                              Length 768;
                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6, Application US/08454455
Patent No. 5635601
GENERAL INFORMATION:
APPLICANT: Movle, Matthew
APPLICANT: MCLean, John W.
TITLE OF INVENTION: NOVEL BETA INTEGRIN SUBUNIT
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
                                                                                                                            Score 63.5; DB 1;
Pred. No. 15;
8; Mismatches 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5 inch, 720 Kb floppy disk
COMPUTER IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winbetin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/454,455
FILING DATE: 30-May-1995
CLASSIFICATION NUMBER: 08/193989
FILING DATE: 30-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
PRILING DATE: 13-TAN-1993
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 13-TAN-1993
PRIOR APPLICATION DATA:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ----AGKCH---
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24.7%; Pred. No. 15;
tive 8; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      P0699C2D2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Lee, Wendy M. REGISTRATION NUMBER: 00,000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: PO
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
                                                                                                                                                                                                                                                                                                                              :| | | | | |||| |
597 KGQVCSG--RGTCVCGR 611
                                                                                                                                                                                                                                                                                                     45 RGGFCRGTFRITCVCYR 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14 FCILEDGIVEAGFGCPFN--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELERAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
                                                                                                                            Query Match
Best Local Similarity 24.7%;
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     : 769 amino acids
Amino Acid
  SEQUENCE CHARACTERISTICS:
LENGTH: 768 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best_Local Similarity
Matches 19; Conserv
                                                      TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              94080
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      S-08-454-455-6
                                                                                                                                                                                                                                                                                                                                                                                                           ESULT 12
S-08-454-455-6
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8 IALLEAALVLFAAFEAPTMVEAQKLCERPSGTWSGVCGNNNACKNQCINLEKARHGSCNY 67
                                                                    -KCHRHCKSIRR-RGGFCRG
                                13;
Length 80;
                              28; Indels
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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OM protein - protein search, using sw model

October 15, 2003, 19:01:05; Search time 17 Seconds

sun on:

(without alignments) 151.821 Million cell updates/sec

US-09-829-481-4

339 1 MKSIAIIFIVLVAFCILEDG......IRRRGGFCRGTFRTTCVCYR 61 itle:
verfect score:
equence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 coring table:

328717 seqs, 42310858 residues

earched:

otal number of hits satisfying chosen parameters:

finimum DB seq length: 0 faximum DB seq length: 2000000000

ost-processing: Minimum Match 08
Maximum Match 1008
Listing first 45 summaries

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/cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:\*
/cgn2\_6/ptodata/1/iaa/6A\_COMB.pep:\*
/cgn2\_6/ptodata/1/iaa/6B\_COMB.pep:\*
/cgn2\_6/ptodata/1/iaa/PcTUS\_COMB.pep:\*
/cgn2\_6/ptodata/1/iaa/PcTUS\_COMB.pep:\* Issued\_Patents\_AA:\* atabase:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## STEAMER DEFE

	•	46			SUMMARIES	
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Н	177	52.2	38	4	US-09-030-619-200	Sequence 200, App
(7	133.5	39.4	38	4	US-09-030-619-199	
ĸ	69	20.4	131	4	-252-991A-	32090
4	68.5	٠	72	4	-09-003-198A-1	Sequence 17, Appl
10	68		40	4	-030-619-1	198,
9	99		40	Н	385-375-1	16, 7
7	99	19.5	40	Н	-37	39, 7
00	99	19.5	40	4	2	217,
თ	64.5			m	US-09-103-489-20	20, 7
10	64	18.9		4	US-09-442-631-4	4, A
11	63.5	18.7	768	-	US-08-454-455-4	4
12	63.5	18.7		Н	-08 - 454	Sequence 6, Appli
13	61.5	18.1		Н	-08 - 377	49
14	61.5	18.1		N	US-08-777-192-49	49,
15	61.5	18.1		m	US-08-971-982-49	4
16	60.5	17.8		m	US-09-053-021-4	4
17	0	17.8		m	$\boldsymbol{\sigma}$	9
18	0	17.8		7	-08 - 751	2, 7
19	9	17.7	79	Н	US-08-627-706-15	15,
20	09	17.7	79		US-09-103-489-15	15,
21	59.5			Ċ.	US-08-751-305-3	3, 4
22	59.5	•			-030	233
23	59.5	•			-08-377-687-5	59,
24	59.5	17.6	80	7	-08-777-192-	59
25	59.5	17.6			-90-	29
56	9	17.6	92	4	-09-394-63	'n
27	59	17.4	197	4	US-09-886-319A-81	Sequence 81, Appl

Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli		Sequence 45; Appl		7	Sequence 2, Appli	Sequence 1, Appli	14,	Sequence 14, Appl	Sequence 14, Appl	Sequence 14, Appl	Sequence 14, Appl	Patent No. 5177197	Sequence 37, Appl	14,	Sequence 27, Appl
US-08-652-859-2	US-08-919-706-2	US-09-153-751-2	US-09-886-319A-38	US-09-886-319A-45	US-08-289-458-2	US-08-761-549-2	US-09-127-646-2	US-08-925-708-1	US-08-149-839B-14	US-08-451-568-14	US-08-451-566-14	US-08-777-113-14	US-09-298-574-14	5177197-30	US-08-630-915A-37	US-08-952-383A-14	US-08-970-264A-27
204 1	204 2	204 2	204 4	228 4	75 1	75 2	75 3	221 2	86 1	86 1	86 1	86 2	86 4	1394 6	1400 4	80 3	80 4
17.4	17.4	17.4	17.4	17.4	17.3	17.3	17.3	17.0	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.7	16.7
59	59	59	59	29	58.5	58.5	58.5	57.5	57	57	57	57	57	57	57	56.5	56.5
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

## ALIGNMENTS

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APPLICANT: Targer, Timothy J.
APPLICANT: Exfeqer, Timothy J.
APPLICANT: Targer, Timothy J.
APPLICANT: Targer, Janet K.
APPLICANT: Exfeqer, Janet K.
APPLICANT: Exfeqer, Janet R.
APPLICANT: West, Michael H.P.
TITLE OF INVENTION: ComPOSITIONS AND METHODS FOR TREATING
TITLE OF INVENTION: WITH ANTIBLIOTICS
TITLE OF INVENTION: WITH ANTIBLIOTICS
TITLE OF INVENTION: WITH ANTIBLIOTICS
TITLE REFERENCE: 660081.406
CURRENT APPLICATION NUMBER: US/09/030,619B
CURRENT FILING DATE: 1998-02-25
SOUTHARE: PastSEQ for Windows Version 3.0
SEQ ID NO 200
LENGTH: 38
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 52.2%; Score 177; DB 4; Length 38 Best Local Similarity 73.0%; Pred. No. 6.3e-14; Matches 27; Conservative 3; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25 GFGCPFNAGKCHRHCKSIRRRGGFCRGTFRTTCVCYR 61
                                    ; Sequence 200, Application US/09030619B
; Patent No. 6503881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 199, Application US/09030619B Patent No. 6503881
                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT / ORGANISM: Leiurus quinquestriatus US-09-030-619-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Krieger, Timothy J.
APPLICANT: Taylor, Robert
APPLICANT: Erfle, Douglas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 2
US-09-030-619-199
                 US-09-030-619-200
RESULT 1
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; TOPOLOGY:
US-09-003-198A-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
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Patent No. 6551795
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT:
MARC J. Rubenfield et al.
TITLE OF INVENTION:
NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION:
FILE REFERENCE: 107196.136
CURRENT PEPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR FILING DATE: 1999-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 32090
LENGTH: 131
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APPLICANT: Liang, Jihong
APPLICANT: Shah, Dilip Maganlal
APPLICANT: W. Yonnie S.
APPLICANT: W. Yonnie S.
APPLICANT: Hakimi, Salim
APPLICANT: Hakimi, Salim
TITLE OF INVENTION: Controlling Plant Pathogenic Fungi
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOID White & Durkee
                                                                                                                                                                                              DB 4; Length 38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        57
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15 CILEDGIVEAGEGCPFNAGKC --- HRHCKSIRRGGECRGTFRITC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23 CALPAGRASSGTGCPGTAPRCCAGAGSHCRGRRRSGS--RARTRPAC
                                                                                                                                                                                            Score 133.5; DB 4; Length
Pred. No. 6.5e-09;
6; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                    25 GFGCPFNAGKCHRHCKSIR-RRGGFCRGTFRTTCVCYR 61
                   NUMBER OF SEQ ID NOS: 232
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 199
LEMOTH: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17, Application US/09003198A Patent No. 6316407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Pseudomonas aeruginosa
S-09-252-991A-32090
    1998-02-25
                                                                                                                                                                                            Query Match 39.4%;
Best Local Similarity 55.3%;
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
                                                                                                                              ORGANISM: Aeschna cyanea
S-09-030-619-199
CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: Texas
                                                                                                                                                                                                                                                                                                                                                                                                      S-09-252-991A-32090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 77210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               S-09-003-198A-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                              TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                    ESULT 3
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APPLICANT: Taylor, Robert
APPLICANT: Taylor, Robert
APPLICANT: Taylor, Robert
APPLICANT: Erie, Douglas
APPLICANT: Erie, Douglas
APPLICANT: West, Michael H.P.
APPLICANT: West, Michael H.P.
APPLICANT: West, Michael H.P.
APPLICANT: Workool, Particle J.
TITLE OF INVENTION: UNFECTIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
FILLE OF INVENTION: WHITH ANTIBIOTICS
FILLE REPERBANCE: 660081.406
CURRENT APPLICATION NUMBER: US/09/030,619B
CURRENT APPLICATION NUMBER: US/09/030,619B
CURRENT FILLE OF DATE: 1998-02-25
NUMBER OF SEQ ID NOS: 232
SOFTWARE: SEASES for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ij
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 20.2%; Score 68.5; DB 4; Length 72; Best Local Similarity 28.4%; Pred. No. 0.38; Matches 19; Conservative 11; Mismatches 24; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 20.1%; Score 68; DB 4; Length 40; Best Local Similarity 39.4%; Pred. No. 0.24; Matches 13; Conservative 2; Mismatches 16; Indels
Patentin Release #1.0, Version #1.30
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                         .vmbeR: US/09/003,198A
07-JAN-1998
N:
                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: MOBI:193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 198, Application US/09030619B; Patent No. 6503881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 16, Application US/08385375; Patent No. 2651144
GENERAL INFORMATION:
APPLICANT: LEMOINE, YVES
                                                                                             CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Patterson, Melinda L.
REGISTRATION NUMBER: 33,062
                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
TELEPHONE: (713) 787-1400
TELEPAX: (713) 787-1440
INFORMATION FOR SEQ ID NO: 580UENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Sacrophaga peregrina
                      CURRENT APPLICATION DATA: APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                          LENGIH: 72 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                    amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     51 GTFRITC 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      62 DDFRCWC 68
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                                                                               FILING DATE:
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27 GCPFNAGKCHRHCKSIRRRGGFCRGTFRTTCVC 59
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                             ADDRESSEE: Burns, Doane, Swecker & Mathis STREET: P.O. Box 1404
                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/178,356
FILING DATE: 04-JAN-1994
APPLICATION NUMBER: FR 89/05687
FILING DATE: 28-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/FR90/00306'
FILING DATE: 27-APR-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19.5%; Score 66; DB 39.4%; Pred. No. 0.41 tive 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Crane-Feury, Sharon E
REGISTRATION NUMBER: 36,113
REFERNICE/DOCKET NUMBER: 017753-009
TELECOMMUNICATION:
TELEPHONE: (703) 836-6620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 217, Application US/09030619B Patent No. 6503881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Krieger, Timothy J. APPLICANT: Taylor, Robert APPLICANT: Erfle, Douglas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Phormia terronovae US-09-030-619-217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (703) 836-2021 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                            COUNTRY: United States ZIP: 22313-1404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 19.5
Best Local Similarity 39.4
Matches 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: protein
     CORRESPONDENCE ADDRESS:
                                                                            Alexandria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
                                                                                                       STATE: Virginia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-030-619-217
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                                                               TITLE OF INVENTION: APPLICATION OF NOVEL DNA FRAGMENTS AS A TITLE OF INVENTION: SEQUENCE CODING FOR A SIGNAL PEPTIDE FOR THE SECRETION OF TITLE OF INVENTION: MATURE PROPEINS BY RECOMINANT YEASTS, EXPRESSION TITLE OF INVENTION: CASSETTES, TRANSFORMED YEASTS AND CORRESPONDING PROCESS FOR TITLE OF INVENTION: THE PREPARATION OF PROPEINS

NUMBER OF SEQUENCES: 40

CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19.5%; Score 66; DB 1; Length 40; 39.4%; Pred. No. 0.41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/385,375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27 GCPFNAGKCHRHCKSIRRRGGFCRGTFRTTCVC 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8 GTGINHSACAAHCLLRGNRGGYCNG--KGVCVC 38
                                                                                                                                                                                                                                                    ADDRESSEE: Burns, Doane, Swecker & Mathis
STREET: P.O. Box 1404
CITY: Alexandria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLAGSIETCATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/178,356
FILING DATE: 04-JRN-1994
APPLICATION NUMBER: FR 89/05687
FILING DATE: 28-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/FR90/00306
FILING DATE: 27-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Crane-Feury, Sharon ERGISTRATION NUMBER: 36,113
REFERENCE/DOCKET NUMBER: 36,113
REFERENCE/DOCKET NUMBER: 017753-009
TELECOMMONICATION INFORMATION:
TELECOMMONICATION INFORMATION:
TELECHOME: (703) 836-6620
TELECHOME: (703) 836-2021
INFORMATION FOR SEQ ID NO: 16: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                           STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: ACHSTETTE, Tilman APPLICANT: REICHHART, Jean-Marc TITLE OF INVENTION: SEQUENCE CODITITLE OF INVENTION: MATURE PROTEIT TITLE OF INVENTION: CASSETTES, TRITLE OF INVENTION: THE PREPARATIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 39, Application US/08385375 Patent No. 5631144 GENERAL INFORMATION:
               ACHSTETTER, Tilman
REICHHART, Jean-Marc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Martine
NGUYEN, Martine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: LEMOINE, YVES APPLICANT: NGUYEN, Marti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 40 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide S-08-385-375-16
                                                  REICHHART,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 13; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5-08-385-375-39
                                                                                                                                                                                                                                                                                                         CITY: 2
STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ESULT 7
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APPLICANT: Fraser, Janet R.
APPLICANT: Fraser, Janet R.
APPLICANT: West, Michael H.P.
APPLICANT: West, Michael H.P.
APPLICANT: West, Michael H.P.
APPLICANT: MICHAEL H.P.
APPLICANT: COMPOSITIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
TITLE OF INVENTION: INFECTIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
FILE REFERENCE: 660081.406
CURRENT APPLICATION NUMBER: US/09/030,619B
CURRENT FILING DATE: 1998-02-25
NUMBER OF SEQ ID NOS: 232
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 217
LENGTH: 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1; Length 40;
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/385,375
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Search completed: October 15, 2003, 19:21:12 Job time : 18 secs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
18.1%; Score 61.5; DB 2; Length 80;
Best Local Similarity 30.0%; Pred. No. 2.7;
Matches 21; Conservative 8; Mismatches 28; Indels
                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/777 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99042/SEE.36525/US/A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REES, SARH B.

TERRAS, FRANKY R.G.
VANDERLEYDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESSE: CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.3
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                       APPLICANT: REES, SARH B.
APPLICANT: TERRAS, FRANKY R.G.
APPLICANT: VANDERLEYDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
                                                                                                                                                                                ADDRESSEE: CUSHMAN DARBY & CUSHMAN STREET: 1100 NEW YORK AVENUE, N.W. CITY: WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: BROEKAERT, WILLEM F. CAMMUE, BRUNO P.A. OSBORN, RUPERT W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 49, Application US/08971982 Patent No. 6187904 GENERAL INFORMATION:
BROEKAERT, WILLEM F
                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDUM TYPE: Filoppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-
                     CAMMUE, BRUNO P.A. OSBORN, RUPERT W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: WASHINGTON STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 80 amino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: protein
S-08-777-192-49
                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     68 VFPAHKCICY 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          52 TFRT-TCVCY 60
                                                                                                                                                                                                                              D.C.
USA
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                     APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                            COUNTRY:
APPLICANT:
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4 IAIIFIVLVAFCILE-DGIVEAGFGCPFNAG-------KCHRHCKSIRR-RGGFCRG 51
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 30.0%; Pred. No. 2.7;
Matches 21; Conservative 8; Mismatches 28; Indels
                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPENATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/971,982
FILING DATE: 11-NO. 6187904-1997
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                              NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 49:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 80 amino acids
                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
ZIP: 20005
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           52 TFRT-TCVCY 60
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364.031 Million cell updates/sec
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1 MKSIALIFIVLVAFCILEDG......IRRRGGFCRGTFRTICVCYR 61
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2. (cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
3. (cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
3. (cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5. (cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
6. (cgn2_6/ptodata/1/pubpaa/PUSUB_PUBCOMB.pep:*
7. (cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8. (cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9. (cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9. (cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9. (cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
9. (cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
9. (cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
9. (cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
9. (cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
9. (cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
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GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          otal number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    600653 segs, 161128416 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Published_Applications_AA:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ost-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                       M protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-829-481-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           erfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  coring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     atabase :
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			Description	Sequence 4, Appli	Sequence 11, Appl	Sequence 57, Appl	Sequence 200, App	Sequence 6, Appli	Sequence 8, Appli	Sequence 10, Appl	Sequence 2, Appli	Sequence 199, App	Sequence 58, Appl	Sequence 74, Appl	Sequence 398, App	Sequence 50, Appl	Sequence 401, App	Sequence 94, Appl
SUMMARIES			ID	US-09-829-481-4	US-09-829-481-11	US-09-917-340-57	US-09-030-619-200	US-09-829-481-6	US-09-829-481-8	US-09-829-481-10	US-09-829-481-2	US-09-030-619-199	US-09-917-340-58	US-09-917-340-74	5 US-10-178-213-398	US-09-950-933A-50	5 US-10-178-213-401	US-09-917-340-94
			DB	. 0	σ	σı	σ	σ	6	O,	თ	σ	σ,	6	15	10	15	6
			Match Length DB	61	37	37	38	09	9	55	61	38	38	35	77	96	75	43
	ъP	Query	Match	100.0	54.3	54.3	52.2	49.6	49.6	43.8	43.7	39.4	37.8	33.6	25.2	24.9	22.4	21.1
			Score	339	184	184	177	168	168	148.5	148	133.5	128	114	85.5	84.5	16	71.5
		esult	NO.	-	7	m	4	ហ	9	7	ω	σ	10	11	12	13	14	15

. 6	) 10 10 10 10 10	Sequence 34, Appl Sequence 55, Appl	0	308	314	-	198,	71,	Sequence 74, Appl	11.	9	9	N	2	œ	80	œ	9	Sequence 20, Appl	73	Sequence 42, Appl	m	m	4	,┌	Н	Ω	G	Н,
5 TIC-10-178-013-003	11S-00-017-340-54	0		5 US-10-178-213-308		5 US-10-010-731-17	US-09-030-619-198			5 US-10-072-602B-77				US-09-030-619-217	5 US-10-178-213-86	5 US-10-072-602B-80	5 US-10-072-602B-83	5 US-10-178-213-93	0 US-09-829-381A-20	US-09-917-340-73	ns-09-920-93	US-10-178-213	US-10-178-213-	US-10-178-213-	US-10-178-213	US-10-178-213-	US-09-984-130	836-353A-	ΩS
5	iσ	78	5 1	7 1	8	2 1	0	8	8	8 1	0	6 1	1 9	0	8 1	8	8	9 1	0 1	0	9	7 1	7 1	7 1	8	00	1 69	9	69 1
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7.1		70.5	70	70	69	68,5	68	68	68	68	68	67.5	Ġ	99	99	99	99	64.5	₹.	64	φ	ά,	'n	'n	ë,	m,	'n	63.5	e m
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	88 P	99	40	4,	42	43	44	45

## ALIGNMENTS

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1 MKSIAIIFIVLVAFCILEDGIVEAGFGCPFNAGKCHRHCKSIRRRGGFCRGTFRITCVCY 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                    Length 61;
                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 339; DB 9; Length 61 Best Local Similarity 100.0%; Pred. No. 4.8e-32; Matches 61; Conservative 0; Mismatches 0; Indels
          Sequence 4, Application US/09829481

Patent No. US20020069427A1

GENERAL INFORMATION:
APPLICANT: Presnall, James
APPLICANT: Wong, Zude
APPLICANT: Wong, James
APPLICANT: Wong, James
TITLE OF INVENTION: Arthropod Defensins
FILE REFERENCE: BB144 US NA
CURRENT APPLICATION NUMBER: 0S/09/829,481
CURRENT FILING DATE: 2001-04-10
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 11
SOFUMARE: Microsoft Office 97
SEG ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-829-481-11
; Sequence 11, Application US/09829481
                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Vaejovis carolinianus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       R 61
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US-09-829-481-4
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Indels

Length 38;

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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
TITLE OF INVENTION: COMPOSITIONS CALIONIC PEPTIDES ALONE OR IN COMBINATION
TITLE OF INVENTION: WITH ANTIBIOTICS
FILE REFERBNCE: 660081.406
CURRENT APPLICATION NUMBER: US/09/030,619B
CURRENT FILING DATE: 1998-02-25
NUMBER OF SEQ ID NOS: 232
SOFTWARE: FASTSEO for many
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 IIFIVLVAFCILEDGIVEAGFGCPFNAGKCHRHCKSIRRRGGFCRGTFRTCVCY 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25 GFGCPFNAGKCHRHCKSIRRRGGFCRGTFRTTCVCYR 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GFGCPLNQGACHRHCRSIRRRGGYCAGFFKQICICYR 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Score 168; DB 9;
; Pred. No. 2.4e-12;
11; Mismatches 19
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 52.2%; Score 177; DB 9; Best Local Similarity 73.0%; Pred. No. 1.4e-13; Matches 27; Conservative 3; Mismatches 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Presnail, James
APPLICANT: Weng, Zude
APPLICANT: Weng, James
TITLE OF INVENTION: Arthropod Defensins
FILE REFERENCE: BB1441 US NA
CURRENT APPLICATION NUMBER: US/09/829,481
CURRENT FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/197279
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/829,481 CURRENT FILLING DATE: 2001-04-10 PRIOR APPLICATION NUMBER: 60/197279 PRIOR FILING DATE: 2000-04-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Presnail, James
APPLICANT: Weng, Lude
APPLICANT: Wong, James
ITTLE OF INVENTION: Arthropod Defensins
FILE REFERENCE: BB1441 US NA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 8, Application US/09829481 Patent No. US20020069427A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                              TYPE: PRT; ORGANISM: Leiurus quinquestriatus
US-09-030-619-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NGS-09-829-481-6
Sequence 6, Application US/09829481
Patent No. US20020069427A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 45.5%;
Matches 25; Conservative 11
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SOFTWARE: Microsoft Office 97
SEQ ID NO 8
LENGTH: 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Microsoft Office 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Argiope sp. US-09-829-481-6
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                                                                                                                                                                                                                                                                      SEQ ID NO 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 25 GFGCPFNAGKCHRHCKSIRRRGGFCRGTFRTTCVCYR 61
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: TPLANT -06468
FILE REFERENCE: TPLANT -06468
CURRENT APPLICATION NUMBER: US/09/917,340
GURRENT FILING DATE: 2001-07-29
FRIOR APPLICATION NUMBER: 60/221,632
PRIOR FILING DATE: 2000-07-28
PRIOR FILING DATE: 2000-11-17
PRIOR FILING DATE: 2000-11-17
PRIOR FILING DATE: 2000-11-17
PRIOR FILING DATE: 2001-05-15
                                                                                                                                                                    APPLICANT:
WOUGY ARTHOOOD Defensins
FILE REFERENCE: BB1441 US NA.
CURRENT APPLICATION NUMBER: US/09/829,481
CURRENT FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/197279
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Microsoft Office 97
SEQ ID NO 11
LENGTH: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT ORGANISM: Androctonus Australis Hector 3-09-917-340-57
                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Androctonus australis hector S-09-829-481-11
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5-09-917-340-57
Sequence 57, Application US/09917340
Patent No. US20020090369A1
GREERAL INFORMATION:
APPLICANT: Murphy, Christopher J.
APPLICANT: McAnulty, Jonathan F.
APPLICANT: Reid, Ted W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5-09-030-619-200
Sequence 200, Application US/09030619B
Patent No. US20020035061A1
GENERAL INFORMATION:
APPLICANT: Krieger, Timothy J.
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Taylor, Robert
Erfle, Douglas
Fraser, Janet R.
West, Michael H.P.
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SOFWWARE: Patentin Ver. 2.0
SEQ ID NO 57
LENGTH: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 54.3:
Best Local Similarity 75.7:
Matches 28; Conservative
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                                                                                                           APPLICANT: Presnail, James
APPLICANT: Weng, Zude
APPLICANT: Wong, James
                                                             Patent No. US20020069427A1
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Best Local Similarity
                                                                                         GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
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Gaps

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Indels

Length 60;

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APPLICANT: Krieger, Timothy J.
APPLICANT: Taylor, Robert
APPLICANT: Taylor, Robert
APPLICANT: Taylor, Robert
APPLICANT: Fraser, Janet R.
APPLICANT: West, Michael H.P.
APPLICANT: Mest, Michael H.P.
APPLICANT: Michael H.P.
APPLICA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GEGCPLDOMOCHRHCOTITGRSGGYCSGPLXLTCTCYR 38
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Pred. No. 1.4e-08;
6; Mismatches 10
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Fetent No. US2002009036941
GENERAL INFORMATION:
APPLICANT: Murphy, Christopher J.
APPLICANT: McAnulty, Jonathan F.
APPLICANT: McAnulty, Jonathan F.
APPLICANT: Reid, Ted W.
TITLE OF INVENTION: Transplant Media
FILE REFERENCE: TPLANT-06468
CURRENT APPLICATION NUMBER: 0S/09/917,340
CURRENT FILING DATE: 2001-07-29
FRIOR FILING DATE: 2000-07-28
FRIOR FILING DATE: 2000-07-28
FRIOR FILING DATE: 2000-07-28
FRIOR FILING DATE: 2000-01-17
FRIOR FILING DATE: 2000-01-17
FRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 96
SOFTWARE: Patentin Ver: 2.0
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                                                                                                          Sequence 199, Application US/09030619B
Patent No. US20020035061A1
GENERAL INFORMATION:
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l Similarity 55.3%;
21; Conservative
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ORGANISM: Aeschna cyanea
US-09-030-619-199
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Best Local Similarity
Matches 21; Conserv
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Matches 24; Conserv
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                                              RESULT 9
JS-09-030-619-199
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                                                                                                   49.6%; Score 168; DB 9; Length 60;
45.5%; Pred. No. 2.4e-12;
Live 11; Mismatches 19; Indels
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APPLICANT: Weng, Zude
APPLICANT: Wong, James
TITLE OF INVENTION: Arthropod Defensins
FILE REFERENCE: BB1441 US NA
CURRENT APPLICATION NUMBER: US/09/829,481
CURRENT FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/197279
PRIOR APPLICATION NUMBER: 60/197279
PRIOR PILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Microsoft Office 97
SEQ ID NO 2
LENGTH: 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Weng, Zude
APPLICANT: Weng, Zude
APPLICANT: Wong, James
TITLE OF INVENTION: Arthropod Defensins
FILE REFERENCE: BB1441 US NA
CURRENT APPLICATION NUMBER: US/09/829,481
CURRENT FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/197279
PRIOR PAPLICATION NUMBER: 60/197279
PRIOR PILING DATE: 2000-04-14
SOFTWARE: Microsoft Office 97
SEC ID NO 10
LENGTH: 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 10, Application US/09829481 Patent No. US20020069427A1 GENERAL INFORMATION:
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Sequence 2, Application US/09829481
Patent No. US20020069427A1
GENERAL INFORMATION:
APPLICANT: Presnail, James
                                                                                               Query Match
Best Local Similarity 45.55
Matches 25; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        James
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ORGANISM: Argiope sp.
S-09-829-481-10
ORGANISM: Argiope sp. S-09-829-481-8
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Best Local Similarity
Matches 26; Conserv
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Gaps

3

Gaps 5 Matches

us-09-829-481-4.rapb

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NAME/KET: VARIANT
LOCATION: 64
OTHER INFORMATION: Xaa = Any Amino Acid
NAME/KET: VARIANT
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OTHER INFORMATION: Xaa = Any Amino Acid
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OTHER INFORMATION: Xaa = Any Amino Acid
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NAME/KEY: VARIANT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-178-213-401
Sequence 401, Application US/10178213
Publication No. US20030041348A1
GENERAL INFORMATION:
APPLICANT: SIMMODS, CALI R.
APPLICANT: NAVALYO Acevedo, Pedro A.
                                                                                                                                                                                                                      Sequence 50, Application US/09950933A Patent No. US20020166141A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     50 ---RGTFRTTCVCYR 61
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Triticum aestivum
                                                                                                                                                                                                                                                                                              APPLICANT: Simmons, Carl R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: VARIANT
LOCATION: (64)...(64)
OTHER INFORMATION: The &
OTHER INFORMATION: acid
                                                           53 FRITCVCYR 61
                                                                                                       67 FRRCFCTR 75
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                                                                                                                                                                          RESULT 13
US-09-950-933A-50
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LENGIH: 98
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Simmons, Carl R.
APPLICANT: Navarro Acevedo, Pedro A.
APPLICANT: Mavarro Acevedo, Pedro A.
APPLICANT: Harvell, Leslie
APPLICANT: Gahoon, Rebecca
APPLICANT: Lu, Albert
APPLICANT: Lu, Albert
APPLICANT: Wongy, James
TITLE OF INVENTION: Defensin Polynucleotides and Methods of
TITLE OF INVENTION: Use
TITLE OF INVENTION: Use
TITLE OF INVENTION: Use
TITLE OF INVENTION: 15/18/246703
CURRENT APPLICATION NUMBER: 60/300,152
PRIOR FILING DATE: 2001-06-22
PRIOR FILING DATE: 2001-06-22
PRIOR FILING DATE: 2001-06-22
NUMBER OF SEQ ID NOS: 469
SOPTWARE: PastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (28)
OTHER INFORMATION: Xaa at this position can be any amino acid.
09-917-340-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 85.5; DB 15; Length 77; Pred. No. 0.01;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25 GFGCPFNAGKCHRHCKSI-RRRGGFCRGTFRTTCVC 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 33.6%; Score 114; DB 9; Best Local Similarity 61.1%; Pred. No. 2.3e-06; Matches 22; Conservative 1; Mismatches 11
Patent No. US2002009036917

Patent No. US2002009036917

GENERAL INFORMATION:
APPLICANT: Murphy, Christopher J.
APPLICANT: Marphy, Christopher J.
APPLICANT: Machaulty, Jonathan F.
APPLICANT: Reid, Ted W.
APPLICANT: Reid, Ted W.
CURRENT APPLICATION UNDRER: US/O9/917,340
CURRENT APPLICATION UNDRER: US/O9/917,340
CURRENT FILING DATE: 2001-07-29
PRIOR FILING DATE: 2000-07-28
SOFTWARE: APPLICATION NUMBER: 60/290,932
PRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 96
SOFTWARE: PATENTH VET: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 398, Application US/10178213 Publication No. US20030041348A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Vernonia mespilifolia -10-178-213-398
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Best Local Similarity
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                                                       3 SIAIIFIVLVAFCILEDGIVEAGFGCPFNA----GKCHRH------CKSIRRRGGFCRGT 52
                                                                                       14 VALILILIVVAASILQAGDAASGF-C---AGKCAVRCGRSRAKRGACMKYCGICCXECACV 69
  11; Gaps
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  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Navarro, Pedro
TITLE OF INVENTION: Antimicrobial Peptides and Methods of
TITLE OF INVENTION: Use
FILE REFERENCE: 35718/238472
CURRENT APPLICATION NUMBER: US/09/950,933A
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: 60/232,569
PRIOR FILING DATE: 2000-09-13
NUMBER OF SEQ ID NOS: 99
SOFTWARE: FASELSEQ FOR Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 IAIIFIVLVAFCILEDGIVEAGFGCPFNAGKCHRHCKSIRRRGGFC-
27;
7; Mismatches
24; Conservative
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Cahoon, Rebecca

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3 SIAIIFIVLVAFCILED-GIVEAGFGCPFNA----GKCHRH-----CKSIRRRGGFCRG 51
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APPLICANT: CALLOLAN BELLA
APPLICANT: CALLOLAN BELLA
APPLICANT: Lu, Albert
APPLICANT: Lu, Albert
APPLICANT: Lu, Albert
APPLICANT: Lu, Albert
APPLICANT: Wong, James
TITLE OF INVENTION: Defensin Polynucleotides and Methods of
TITLE OF INVENTION: Use
FILE ERFERENCE: 35718/246703
CURRENT APPLICATION NUMBER: US/10/178,213
CURRENT PLING DATE: 2001-06-21
PRIOR APPLICATION NUMBER: 60/300,152
PRIOR FILING DATE: 2001-06-22
NUMBER OF SEQ ID NOS: 469
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 401
LENGTH: 75
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Pactent No. US2002009369A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Murphy, Christopher J.
APPLICANT: McAnulty, Jonathan F.
APPLICANT: Reid, Ted W.
APPLICANT: Reid, Ted W.
TILLE REFERENCE: TPLANI-06468
CURRENT APPLICATION NUMBER: US/09/917,340
CURRENT APPLICATION NUMBER: 60/221,632
PRIOR PILING DATE: 2001-07-29
PRIOR FILING DATE: 2000-07-28
PRIOR FILING DATE: 2000-01-17
PRIOR PILING DATE: 2000-01-17
PRIOR PRILING DATE: 2000-01-17
PRIOR PILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 96
SOFTWARR: PACENTIN VET. 2.0
SECIENCYTH: 43
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bb time : 27 secs
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S-10-178-213-401
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S-09-917-340-94
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S-09-917-340-94
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Sequence 959, App Sequence 10981, App Sequence 10981, Appl Sequence 30, Appl Sequence 105, App Sequence 1715, App Sequence 77, Appli Sequence 77, Appli Sequence 451, Appli Sequence 4589, Appli Sequence 4589
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Sequence 5, Appli
Sequence 17782, P
                                                                                                                                                                                                         October 16, 2003, 17:47:49 ; Search time 245 Seconds (without alignments) 4351.869 Million cell updates/sec
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2: .cgn2_6/ptcdata/2/pubpna/USO7_PUBCOMB.seq:*
3: .cgn2_6/ptcdata/2/pubpna/PCT_WEW_PUB.seq:*
4: .cgn2_6/ptcdata/2/pubpna/USO6_NEW_PUB.seq:*
5: .cgn2_6/ptcdata/2/pubpna/USO6_NEW_PUB.seq:*
6: .cgn2_6/ptcdata/2/pubpna/USO8_NEW_PUB.seq:*
7: .cgn2_6/ptcdata/2/pubpna/USO8_NEW_PUB.seq:*
7: .cgn2_6/ptcdata/2/pubpna/USO8_NEW_PUB.seq:*
7: .cgn2_6/ptcdata/2/pubpna/USO8_PUBCOMB.seq:*
7: .cgn2_6/ptcdata/2/pubpna/USO8_PUBCOMB.seq:*
11: .cgn2_6/ptcdata/2/pubpna/USO8_PUBCOMB.seq:*
11: .cgn2_6/ptcdata/2/pubpna/USO9_NEW_PUB.seq:*
11: .cgn2_6/ptcdata/2/pubpna/USO9_NEW_PUB.seq:*
11: .cgn2_6/ptcdata/2/pubpna/USO9_NEW_PUB.seq:*
13: .cgn2_6/ptcdata/2/pubpna/USO9_NEW_PUB.seq:*
13: .cgn2_6/ptcdata/2/pubpna/USO9_NEW_PUB.seq:*
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/cgn2_6/ptodata/2/pubpna/US10_MEW_PUB.seq:*
/cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
/cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-09-814-353-4684
US-09-814-353-4684
US-09-814-353-4684
US-09-764-846-30
US-09-764-846-30
US-09-764-846-105
US-09-764-846-105
US-10-198-846-1715
US-09-829-481-715
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US-09-814-353-18240
US-09-814-353-4589
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Published_Applications_NA:*
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                 - nucleic search, using sw model
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Sequence 10888, A Sequence 1454, Ap Sequence 10757, A	Sequence 1, Appli Sequence 1020, Ap Sequence 14052, A Sequence 5882, Ap Sequence 5882, Ap	1757 1757 1212 146,	1378 1139 2363 8701 5187	Sequence 17724, A Sequence 18511, A Sequence 1704, B Sequence 11024, A Sequence 123, App Sequence 252, App Sequence 27, App Sequence 27, App Sequence 27, App Sequence 27, App 1
814 814 814	09-829-481-1 -10-811-455-102 -09-918-995-140 -10-198-846-588	9-814-353-1 9-814-353-5 9-814-353-1 9-240-485-1	99-960 99-814 99-814 99-960 99-960	US-09-814-353-1 US-09-814-353-4 US-09-814-353-4 US-09-814-353-4 US-10-311-455-2 US-10-312-841 US-09-814-353-4
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## ALIGNMENTS

181 AGGCTTTTGCAGAGGAACTTTCAGGACAACCTGCGTTTGCTATAGGTGAAAATCCGATTT 240 121 TGGATGTCCCTTTAATGCAGGAAAATGCCATAGACATTGCAAAAGTATTCGTCGTAGAGG 180 1 CTCTACTACAATCACTAAGTTCTTTCTCCAGCTTCAAGAATGAAATCCATAGCTAT 61 TATTTTCATCGTTCTTGTTGCCTTCTGTATTTTGGAGGATGGGATTGTAGAAGCTGGTTT 1 CTCTACTACAATCACTAGTTCTTTCTCCACTCCAGCTTCAAGAATGAAATCCATAGCTAT Gaps ó Length 406; Indels 100.0%; Score 406; DB 9; ilarity 100.0%; Pred. No. 5.9e-76; Conservative 0; Mismatches 0; Sequence 3, Application US/09829481

Patent No. US2002069427A1

GENERAL INFORMATION:
APPLICANT: Presnall, James
APPLICANT: Wong, James
APPLICANT: Wong, James
TITLE OF INVERTION: Arthropod Defensins
FILE REFERENCE: B11441 US NA
CURRENT APPLICATION NUMBER: 0S/09/829,481
CURRENT FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/19729
PRIOR APPLICATION NUMBER: 60/19729
PRIOR APPLICATION NUMBER: 60/19729
PRIOR APPLICATION NUMBER: 60/19729
PRIOR FILING DATE: 2001-04-14
NUMBER OF SEQ ID NOS: 11 ; ORGANISM: Vaejovis carolinianus US-09-829-481-3 Similarity Query Match Best Local Simi Matches 406; SEQ ID NO 3 LENGTH: 406 RESULT 1 US-09-829-481-3 TYPE: DNA Best Loca Matches g g ద δ à δλ ă

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           318 TITTGTAATCTAACAACAGATGCAATAGTTTAAATAAACTTATACTTAAACTTTTAAAAAA 377
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          138 CAGGAAAATGCCATAGACATTGCAAAAGTATTCGTCGTAGAGGAGGCTTTTGCAGAGGAA 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  198 CTITCAGGACAACCTGCGTTTGCTATAGGTGAAAATCCGAFTTATTTGCCATAATGGAGA 257
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                                                                                                                                      360
                                                                                                                                                              AGGCTTTTGCAGAACTTTCAGGACAACCTGCGTTTGCTATAGGTGAAAATCCGATTT 240
                                                            300
                                                                                                241 ATTIGCCATAATGGAGACCCGTTTTTATTGAATATCGTCAGTTTCCAATTAAAGTCATTT 300
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                                                                                                                                                                                                                Ouery Match
18.7%; Score 76; DB 9; Length 386;
Best Local Similarity 54.4%; Pred. No. 1.1e-06;
Matches 178; Conservative 0; Mismatches 141; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Arthropod Defensins FILE REFERENCE: BB1441 US NA CURRENT APPLICATION NUMBER: US/09/829,481 CURRENT FILING DATE: 2001-04-10 PRIOR APPLICATION NUMBER: 60/197279 PRIOR FILING DATE: 2000-04-14 NUMBER OF SEQ ID NOS: 11 SOFTWARE: Microsoft Office 97 SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         378 AAAAAAAAAAAAAAAAAAAAAAAA 404
                                                                                                                                                                                                                                                                                                                                          Sequence 5, Application US/09829481
Patent No. US20020069427A1
GENERAL INFORMATION:
APPLICANT: Presnail, James
APPLICANT: Weng, Zude
APPLICANT: Wong, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: unsure
LOCATION: (351)
NAME/KEY: unsure
LOCATION: (364)..(365)
NAME/KEY: unsure
LOCATION: (386)
S-09-829-481-5
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ORGANISM: Argiope sp
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GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
APPLICANT: PIEPENBROCK, Christian
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Det
TITLE OF INVENTION: cytosine methylation
FILE REFERENCE: 5013.1014
CURRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
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Sequence 17782, Application US/09814353
Publication No. US20030165831A1
Sequence 17782, Application No. US20030165831A1
SEPEREAL INFORMATION:
APPLICANT: Thompson, Pamela
APPLICANT: Thompson, Pamela
APPLICANT: Inlile, Jamela
APPLICANT: Inlile, Jamela
TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
CURRENT APPLICATION NUMBER: US 60/20/124
PRIOR FILING DATE: 2000-05-25
PRIOR PELING DATE: 2000-06-15
PRIOR PELING DATE: 2000-06-15
PRIOR FILING DATE: 2000-07-25
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 22037
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 17782
LENGTH: 406
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NAME/KEY: misc_feature
| LOCATION: 225, 226, 227, 228
| OTHER INFORMATION: n = A,T,C or G
| US-09-814-353-17782
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Sequence 4684, Application US/09814353

Publication No. US20030165831A1

GENERAL INFORMATION:

APPLICANT: Lee, John

APPLICANT: Thompson, Pamela

APPLICANT: Thompson, Pamela

APPLICANT: Thompson, Pamela

APPLICANT: Lilièe, James

TITLE OF INVENTION: DEBNITFICATION, ASSESSMENT, PREVENTION, AND

TITLE OF INVENTION: THERAPY OF OVARIAN CANCER

FILE REFERENCE: NAI-006B

CURRENT FILING DATE: 2001-03-21

PRIOR PLICATION NUMBER: US 60/191,031

PRIOR PLILING DATE: 2000-05-25

PRIOR PLILING DATE: 2000-06-15

PRIOR PLILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: US 60/221,940

PRIOR APPLICATION NUMBER: US 60/225,672

PRIOR PLILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: US 60/257,672

PRIOR PLILING DATE: 2000-12-21

NUMBER OF SEQ ID NOS: 22037

SEQ ID NO 4684

LENGTH: 714

PAPEL DATE: AND PAPEL CATION NUMBER US LENGTH: AND PAPEL DATE

BENTAL DATE: 2000-12-21

RUMBER OF SEQ ID NOS: 22037

SEQ ID NO 4684

LENGTH: 714
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NAME/KEY: misc_feature
LOCATION: 55, 105, 115, 116, 133, 162, 172, 173, 174, 175, 192, 201,
LOCATION: 25, 105, 115, 21, 224, 226, 231, 232, 250, 261, 265, 268,
LOCATION: 207, 271, 276, 297, 304, 305, 319, 325, 326, 337, 342, 343,
                                                                                                                                                                                                                                                                                                                        , OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
                                                                                                                                                                                                                                                                                                                                                                                                                                                     0;
                                                                                                                                                                                                                                                                                                                                                                                              Query Match 13.7%; Score 55.8; DB 12; Length 17294; Best Local Similarity 53.4%; Pred. No. 0.084; Matches 117; Conservative 0; Mismatches 102; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: PCT/ED01/07537
PRIOR FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR PILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 959
                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
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JS-09-814-353-4684/c
                                                                                                                                                                                                                     LENGTH: 17294
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241 ATTIGCCATAATGGAGACCCGTITITATIGAATATCGICAGTITCCAATTAAAGICATTT 300
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APPLICANT: Thompson, Pamela
APPLICANT: Thompson, Pamela
APPLICANT: Thompson, Pamela
APPLICANT: Thompson, Pamela
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
FILE REFERENCE: MI-006B
CURRENT PILLNG DATE: 2001-03-21
PRIOR APPLICATION NUMBER: US 60/191,031
PRIOR PILING DATE: 2000-03-21
PRIOR PLING DATE: 2000-05-25
PRIOR PLING DATE: 2000-06-15
PRIOR PLING DATE: 2000-06-15
PRIOR PLING DATE: 2000-06-15
PRIOR PLING DATE: 2000-06-15
PRIOR PLING DATE: 2000-07-25
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    415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13.7%; Score 55.6; DB 12; Length 714; 48.7%; Pred. No. 0.026; tive 0; Mismatches 115; Indels 0.
LOCATION: 348, 355, 365, 374, 377, 383, 392, 399, 400, 412, OTHER INFORMATION: n = A,T,C or G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:

NAME/FEY:

LOCATION: 423, 425, 427, 428, 429, 431, 433, 434, 436, 44(

LOCATION: 423, 425, 427, 428, 429, 431, 433, 434, 436, 44(

LOCATION: 428, 466, 467, 479, 481, 485, 499, 529, 530, 53:

LOCATION: 545, 556, 560, 563, 565, 575, 581, 583, 586, 58;

LOCATION: 600, 602, 606, 611, 620, 633, 635, 637, 640, 64;

COTHER INFORMATION: n = A,T,C or G

FEATURE:

LOCATION: 651, 655, 675, 676, 685, 687, 690, 691, 702

US-09-814-353-4684
                                                                                                                                                            436,
530,
586,
640,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 48.73
Matches 109; Conservative
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US-09-814-353-10983/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                        259 CCGTTTTTTTTTGAATATCGTCAGTTTCCAATTAAAGTCATTTCGAGCCATACTGAATAAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies FILE REFERENCE: PT212
CURRENT APPLICATION NUMBER: US/09/764,846
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper NUMBER OF SEQ ID NOS: 348
SOFTWARE: PatentIn Ver. 2.0
LENGTH: 621
                                                                            APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies FILE REFERENCE: PTZ12C1
CURRENT APPLICATION NUMBER: US/10/091,483
CURRENT FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 348
Prior Application remoyed - See File Wrapper or Palm SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 325
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Pred. No. 0.023;
0; Mismatches 58;
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Pred. No. 0.03;
0; Mismatches 58;
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; LOCATION: (621)
; PUTER INDEMATION: n equals a,t,g, or
US-09-764-846-105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 105, Application US/09764846 Patent No. US20020102638A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: SITE
LOCATION: (80)
OTHER INFORMATION: n equals a,t,g,
                      Sequehce 30, Application US/10091483 Publication No. US20030049650A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: n equals a,t,g,
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Best Local Similarity 60.8%;
Matches 90; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                  ) ORGANISM: Homo sapiens
US-10-091-483-30
                                                                                                                                                                                                                                                                                                                                                                                Similarity
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LOCATION: (620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-764-846-105
    US-10-091-483-30
                                                                                                                                                                                                                                                                                                                                                                                                   90;
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LOCATION:
                                                                                                                                                                                                                                                                                 TYPE: DNA
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         241 ATTIGCCATAATGGAGACCCGTTTTTATTGAATATCGTCAGTTTCCAATTAAAGTCATTT 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              220 aaaanngaaaattnttaatnttttttttnaaaaaaaatttttggnnnnaaaattttttua 161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   104 CCTTTATAATTCACTAAAATAAAGCATCTATTAGTGTCTGATTTAGGAATGTAAAATGAT 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               319 ITIGIAATCTAACAACAGAIGCAATAGITIAAAIAAACTIATACITAAACITTTAAAAAA 378
                                                                                                                                                                                                                                                                                                                                                                            181 AGGCTTTTGCAGAGGAACTTTCAGGACACCTGCGTTTGCTATAGGTGAAAATCCGATTT
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                                                                              436, 440, 442, 4
530, 533, 535, 5
586, 588, 592, 5
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348, 355, 365, 374, 377, 383, 392, 399, 400, 412, 415
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SOFTWARE: Patentin Ver. 2.0
LENGTH: 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 30, Application US/09764846
Patent No. US20020102638A1
GENERAL INFORMATION:
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies FILE REPRENCE: PT212
CURRENT APPLICATION NUMBER: US/09/764,846
CURRENT FILING DATE: 2001-01-17
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                                                                                434,
529,
583,
637,
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Pred. No. 0.026;
0; Mismatches 115;
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Pred. No. 0.023;
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                                                                                                                                                                                                NAME/KEY: misc_feature
LCCATION: 651, 655, 676, 685, 687, 690, 691,
OTHER INFORMATION: n = A,T,C or G
15-09-814-353-10983
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499,
581,
635,
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                                                                              431,
485,
575,
633,
                                                       NAME/KEY: misc_feature
LOCATION: 423, 425, 427, 428, 429,
LOCATION: 458, 466, 467, 479, 481,
LOCATION: 545, 556, 560, 563, 565,
LOCATION: 600, 602, 606, 611, 620,
                                                                                                                                                         OTHER INFORMATION: n = A,T,C or G
                  OTHER INFORMATION: n = A, T, C or G
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60.8%;
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Best Local Similarity 48.7%;
Matches 109; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 90; Conserv
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S-09-764-846-30
LOCATION:
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                                  TITGTAATCTAACAACAGATGCAATAGTTTAAATAAACTTATACTTAACTTTTAAAAAA 378
888 CCTTTATAATTCACTAAAATAAAGCATCTATTAGTGTCTGATTTAGGAATGTAAAATGAT 447
                                                                CCTTTATAATTCACTAAAATAAAGCATCTATTAGTGTCTGATTTAGGAATGTAAATGAT
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Sequence 1715, Application US/10198846

GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Xu, Yongyao
APPLICANT: Wang, YouZhen
APPLICANT: Steinmann, Kathleen
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
TITLE OF INVENTION: THERAPY OF BREAST CANCER
FILE REFERENCE: MRI-049
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60.8%; Pred. No. 0.03;
tive 0; Mismatches 58;
                                                                                                                                                                                                                                                           APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Ar
FILLE REFERENCE: PT212C1
CURRENT APPLICATION NUMBER: US/10/091,483
CURRENT FILLNG DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 348
Prior Application removed - See File Wrapper or Pal
SCOTUMER: Patentin Ver: 2.0
SEQ ID NO 105
LENGTH: 621
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                                                                                                                                                                                             US-10-091-483-105; Sequence 105, Application US/10091483; Publication No. US20030049650A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: (612)
OTHER INFORMATION: n equals a,t,g,
NAME/KEY: misc_feature
LOCATION: (620)
OTHER INFORMATION: n equals a,t,g,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc_feature
LOCATION: (80)
OTHER INFORMATION: n equals a,t,g,
NAME/KEY: misc_feature
LOCATION: (612)
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                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Homo sapiens
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90; Conserv
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US-10-198-846-1715/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             281 NINANNAGGGGNCNTTTTTTTTTTTTTTTNTNAAANTNTNCCNTNTNNGNCCCCTTNNCNNTNA 222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  71 GITCIIGIIGCCIICIGIAITIIGGAGGAIGGGAITGIAGAAGCIGGIIIIIGGAIGICCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              131 TITAATGCAGGAAAATGCCATAGACATTGCAAAAGTATTCGTCGTAGAGGAGGCTTTTGC
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                                                                                                                                                                                                                                                                                                                                        319,
342,
395,
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530,
557,
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228, 229, 236, 238, 239, 241, 243,
256, 258, 261, 268, 270, 276, 277,
292, 293, 295, 296, 297
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386,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          635,
685,
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680,
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677,
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675,
                                                                   NUMBER OF SEQ ID NOS: 14084
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1715
LENGTH: 717
CURRENT APPLICATION NUMBER: US/10/198,846
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          625,
671,
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; LOCATION: 320, 300, 302, 303, 31, 10CATION: 320, 321, 322, 323, 325, 33, 10CATION: 345, 346, 348, 357, 359, 36, 10CATION: 402, 415, 416, 418, 428, 428, OTHER INFORMATION: n = A,T,C or G FEATURE:
NAME/KET: misc fort
              CURRENT FILING DATE: 2002-07-18
PRIOR APPLICATION NUMBER: 60/306,220
PRIOR FILING DATE: 2001-07-18
                                                                                                                                                                                          NAME/KEY: misc_feature
LOCATION: 5, 8, 9, 12, 19, 22, 23,
LOCATION: 216, 219, 223, 225, 226,
LOCATION: 246, 248, 250, 254, 255,
LOCATION: 279, 281, 287, 290, 291,
OTHER INFORMATION: n = A,T,C or G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 13.6
Best Local Similarity 36.4
Matches 144; Conservative
                                                                                                                                         TYPE: DNA
ORGANISM: Homo sapiens
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Gaps

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23 ITTCTCCACTCAGCTTCAAGAATGAAATCCATAGCTATTATTTTCATCGTTCTTGTTGCC
Pred. No. 0.032;
0; Mismatches 104; Indels
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Patent No. US20020110815A1
GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Brown, Jeffrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; LOCATION: (1)...(425)
; OTHER INFORMATION: n = A,T,C or G
US-09-834-975-451
54.98;
                        130; Conservative
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ORGANISM: Homo sapiens
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Best Local Similarity
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Publication No. US20030165831A1
GENERAL INFORMATION:
APPLICANT: Leb. John
APPLICANT: Lillie, James
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR TITLE OF INVENTION: NOVER: US/09/814,353
CURRENT APPLICATION NUMBER: US 60/191,031
PRIOR FILING DATE: 2000-03-21
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: US 60/211,940
PRIOR FILING DATE: 2000-06-15
PRIOR FILING DATE: 2000-06-15
PRIOR FILING DATE: 2000-06-15
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 60/216,820
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 60/257,672
PRIOR APPLICATION NUMBER: US 60/257,672
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 22037
SEQ ID NO 17408
INDEMNER: FastSEQ for Windows Version 4.0
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APPLICANT: Weng, Zude
APPLICANT: Wong, James
APPLICANT: Wong, James
TITLE OF INVENTION: Arthropod Defensins
FILE REFERENCE: BB1441 US NA
CURRENT APPLICATION NUMBER: US/09/829,481
CURRENT FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/197279
PRIOR FILING DATE: 2000-04-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 7, Application US/09829481
Patent No. US20020069427A1
GENERAL INFORMATION:
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56.7%;
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SOFTWARE: Microsoft Office 97
SEQ ID NO 7
LENGTH: 351
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Best Local Similarity 56.77
Matches 101; Conservative
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S-09-814-353-17408
S-09-814-353-17408/c
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Length 351;

DB 9;

13.4%; Score 54.6;

ORGANISM: Argiope sp. S-09-829-481-7

Query Match

DNA

S-09-829-481-7

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APPLICANT: Brown, Jeffrey
APPLICANT: Brown, Jeffrey
APPLICANT: Brown, Jeffrey
APPLICANT: Bolt, Andrew
APPLICANT: Wolf, Andrew
APPLICANT: Van Huffel, Christophe
TITLE OF INVENTION: FOR THE IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
TITLE OF INVENTION: FOR THE IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
TITLE OF INVENTION: FOR THE IDENTIFICATION, OF HUMAN CANCERS
FILE REFERENCE: MILLOR DATE: 2001-04-13
PRIOR PLILING DATE: 2000-04-14
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 1046
SOFTWARE: FRESEQ for Windows Version 4.0
SEQ ID NO 451
LENGTH: 425
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                                                           83 TTCTGTATTTTGGAGGATGGGATTGTAGAAGCTGGTTTTGGATGTCCCTTTAATGCAGGA 142
                                                                                          64 GTCTGTGCTTTTGCCACAGAGAGCTGGTTTCGGCTGCCCTTCGACCAGATG 123
                                                                                                                                                                              143 AAATGCCATAGACATIGCAAAAGIATICGTCGTAGAGGAGGCTITITGCAGAGGAACITIC 202
                                                                                                                                                                                                                                   124 CAGTGTCACAATCATTGCAGGAGCATCAAATATAGGGGAGGATACTGCACCAACTTATTC 183
63
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0.035;
ches 97;
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13.4%; Score 54.6; D
Best Local Similarity 53.4%; Pred. No. 0.03
Best Local Similarity Conservative 0; Mismatches
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Publication No. US20030165831A1

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APPLICANT: Thempson, Pamela
APPLICANT: Thempson, Pamela
APPLICANT: Thompson, Pames
APPLICANT: Lillie, James
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
FILE REFERENCE: MEI-006B
FILE REFERENCE: MEI-006B
FILE REFERENCE: MISSER. US 60/191,313
PRIOR FILING DATE: 2000-03-21
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: US 60/211,940
PRIOR FILING DATE: 2000-06-15
PRIOR FILING DATE: 2000-06-15
PRIOR FILING DATE: 2000-07-07
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IS-09-814-353-18240
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NAME/KEY: misc_feature
LOCATION: 322
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SENERAL INFORMATION:
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LENGTH: 350
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248 ATAAIGGAGACCCGITITIATIGAATAICGICAGITICCAATTAAAGICAITICGAGCCA 307

0; Mismatches

earch completed: October 16, 2003, 18:58:22 ob time: 252 secs

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Sequence 2, Application US/09436063C Patent No. 6407210 GENERAL INFORMATION:
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Sequence 12,
Sequence 5, A
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Sequence 2,
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Sequence 1
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Sequence 9
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                                                                        October 16, 2003, 11:49:03; Search time 65 Seconds
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/cgn2_6/ptodata/2/ina/5B_COMB.seq:*
/cgn2_6/ptodata/2/ina/6A_COMB.seq:*
/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
5.1.6
Compugen Ltd.
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US-09-135-208-5
US-09-277-716-5
US-08-597-274A-5
US-08-909-161B-5
US-08-909-161B-5
US-08-909-161B-5
US-08-908-909-1
US-08-730-163-1
US-08-730-163-1
US-08-462-437-1
US-08-545-196B-12
US-08-545-196B-12
US-08-964-127-5
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-08-300-903A-8
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GenCore version
Copyright (c) 1993 - 2003
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Maximum Match 100%
Listing first 45 summaries
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Sequence 1, Appli	Sequence 1, Appli	Sequence 64, Appl	Sequence 1, Appli	Sequence 2, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli	Patent No. 5168051	Sequence 1, Appli	Sequence 21, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 114, App	Æ,	Sequence 42, Appl		Sequence 48, Appl		
US-08-879-338-1	PCT-US95-02044-1	US-08-821-994-64	US-08-800-291B-1	US-09-065-040-2	US-09-413-574-1	US-08-486-049-1	US-09-967-908A-1	5168051-9	US-08-524-757-1	US-09-904-615-21	1 US-09-557-884-1	US-09-643-990A-1	US-09-996-243-114	US-09-004-731-40	US-09-004-731-42	US-09-032-215-46	US-09-032-215-48	DT.TCNMENT.C	
3933 3		1474 3	2790 3	1196 4	1522 3	7724 4	6409 4	2671 6	458 1	1443 4	1830121	1830121	1701 4	841 3	841 3	841 3	841 3		
12.4	12.4	12.4	12.4	12.3	12.3	12.3	12.3	12.2	12.2	12.1	12.0	12.0	12.0	11.9	11.9	11.9	11.9		
50.4	50.4	50.2	50.2	50	50	20	49.8	49.6	49.4	49	48.8	48.8	48.6	48.4	48.4	48.4	48.4		
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	c 43	44	c 45		

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APPLICANT: Banber, Bruce
APPLICANT: JORGENSEN, Erik
TITLE OF INVENTION: Methods Related Thereto
FILE REFERENCE: 21101.000903
CURRENT TAILNG DATE: 2000-07-28
FURENT TILING DATE: 1999-11-08
PRIOR PILLING DATE: 1999-11-08
PRIOR FILLING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 50
SUGNARE: PARENCE: 1998-11-09
SOFTWARE: PARENCE: 2.1
SEQ ID NO 2
LENGTH: 1652
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                                           Sequence 2, Application US/09627650B
Patent No. 6406872
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RESULT 1
US-09-627-650B-2
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ATTORNEY/AGENT INFORMATION:
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US-08-757-046A-5
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STATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Methods Neuromuscular Junction GABA Receptors and TITLE OF INVENTION: Methods Related Thereto FILE REFERENCE: P-1095corrected CURRENT APPLICATION NUMBER: US/09/436,063C CURRENT FILING DATE: 1999-11-08 PRIOR APPLICATION NUMBER: 60/107727 PRIOR APPLICATION NUMBER: 60/107727 NUMBER: 05.10.996-11-09 NUMBER OF SEQ ID NOS: 18 SOFTWARE: Patentin Ver. 2.1
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APPLICANT: Okazaki, Makoto
APPLICANT: Kawai, Shinji
APPLICANT: Tsujimuza, Atsushi
APPLICANT: Anani, Bon
TITLE OF INVENTION: Bone-Related Cadherin-Like Protein and
TITLE OF SEQUENCES: 12
CORRESPONDERES: 12
CORRESPONDE ADRESS:
                                                                                                                                                                                                                                                                                                                                                                  Score 55.6; DB 4; Length 1
Pred. No. 0.0025;
0; Mismatches 89; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible COMPUTER: IBM PC COMPATIBLE COMPATIBL: SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: WAPPLICATION WHERE: US/08/738,349 FILING DATE: 25-OCT-1996 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/364,439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 08/112,061
FILING DATE: 26-AUG-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1, Application US/08738349 Patent No. 5869638
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                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Caenorhabditis elegans S-09-436-063C-2
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55.1%;
                        Jorgensen, Erik
                                                                                                                                                                                                                                                                                                                                                                    Query Match 13.7
Best Local Similarity 55.1
Matches 109; Conservative
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
APPLICANT: Bamber, Bruce
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APPLICANT: Takesh
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STREET: 1
                                                                                                                                                                                                                                                             LENGTH: 1652
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S-08-738-349-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       8; DB 2;
0.01;
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Patent No. 5876995
GENERAL INFORMATION:
APPLICANT: Bryan, Bruce
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Haller & McClain
NAME: Barker, M. P.
REGIGYRATION NUMBER: 32,013
REFERENCE/DOCKER NUMBER: 02481.1323-00000
TELECOMMUNICATION INFORMATION:
TELEPRINE: 202-408-4400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 52.8;
Pred. No. 0.
                                                                                                                                                                                                                                                                                                                         STRAIN: osteoblastic cell line MC3T3E1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PSELSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,046A
FILLING DATE: 11-25-96
CLASSIFFICATION NUMBER: 08/597,274
APPLICATION NUMBER: 08/597,274
FILLING DATE: 02-06-96
ATTORNEY/AGENT INFORMATION:
NAME: Seldman, Stephanie.
RESISTRATION NUMBER: 33,779
RESISTRATION NUMBER: 33,779
RESISTRATION NUMBER: 33,779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION: TELEPHONE: 619-238-0999
                                                                                                                                                                                                                                                                                                                                                                                                                                                       13.0%;
71.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSE: Brown, Martin,
STREET: 1660 Union Street
CIIY: San Diego
                                                                                                                                                                                                                                                       MOLECULE TYPE: CDNA to mRNA ORIGINAL SOURCE:
                                                                                                                                                                    LENGTH: 3581 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                     ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity 71.9
tes 69; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         958 base pairs
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SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 619-238-0062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: CDS
LOCATION: 284..2671
                                                                                                                                                                                                                                     linear
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241 ATTIGCCATAAIGGAGACCCGTTTITAITGAATATCGICAGTITCCAATTAAAGICATIT 300
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                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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TITLE OF INVENTION: BIOLOMINESCENT ARTICLES OF MANUFACTURE
CORRESPONDENCE: 14
CORRESPONDENCE ADDRESS:
ADDRESSE: Heller Birman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolia
STREET: 0A
COUNTRY: USA
ZIP: USA
                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: Coding Sequence
LOCATION: 115...702
OTHER INPORMATION: apoaequorin-encoding gene
PUBLICATION INFORMATION:
AUTHORS: Innovye et al.
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
                                                                                                                                                                                                                                                                                                            DOCUMENT NUMBER: PATENT NO.: 5,093,240 US-08-757-046A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/447,208
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 0909/135,988
FILING DATE:
APPLICATION NUMBER: 0909/135,988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/757,046
FILING DATE: 11-25-96
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/597,274
FILING DATE: 02-06-96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           %26-04-47-208-5
, Sequence 5, Application US/09447208
, Patent.No. 6113886
, GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
           STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
nucleic acid
                                                                                                                                                                                                                                                                          VOLUME: 82
PAGES: 3154-3158
                                                                                      ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
FEATURE:
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Best Local S:
Matches 95;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      839 TTARATCGAATGATTAGTTGTTTTTTTAATCAACAGAACTTACAAAATCGAAAAGTAAAA 898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               779 ATTTTCCAAATTTTTGAACGATTTCAATCGTTTGTGTTGATTTTGTAATTAGGAACAGA
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Patent No. 6152358
GENERAL INFORMATION:
APPLICANT: Bryan, Bruce
TITLE OF INVENTION: BIOLUMINESCENT ARTICLES OF MANUFACTURE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSER: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.9%; Score 52.4; DB 3; Length 958; 57.2%; Pred. No. 0.011; tive 0; Mismatches 71; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PATENT NO.: 5,093,240
                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: 115...702
OTHER INFORMATION: apoaequorin-encoding gene PUBLICATION INFORMATION: PUBLICATION INFORMATION: PATENT NO.: 5,093,24(AUTHORS: Inouye et al.
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SSEE: Heller Ehrman White & McAuliffe
:: 4250 Executive Square, 7th Floor
La Jolla
             NAME: Seidman, Stephanie L
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24727-105C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-450-8400
TELEFAX: 619-450-8499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/135,988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SYSTEM: DOS
FastSEQ Version 1.5
                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: Coding Sequence TOCATION: 115...702
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM Compatible
ATTORNEY/AGENT INFORMATION
                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 57.2 Matches 95; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                 single
                                                                                                                                                                                                                                      TYPE: nucleic acid STRANDEDNESS: singl TOPOLOGY: linear MOLECULE TYPE: CDNA HYPOTHETICAL: NO ANT! SENSE: NO FRAGMENT TYPE: ORIGINAL SOURCE: FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; VOLUME: 82
; PAGES: 3154-3158
; DATE: (1985)
US-09-447-208-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM:
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CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-135-988-5
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us-09-829-481-3.rni

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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 958
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COUNTRY: USA
ZIP: 92101-294
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA: APPLICATION NUMBER:
NUMBER OF SEQ ID NOS: 32
                                                                                                                                                  NAME/KEY: CDS
LOCATION: (115)..(702)
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                        yolume: 82(10); PAGES: 3154-3158; DATE: 1985-05
US-09-277-716-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-597-274A-5
                                                                                      TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 8
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APPLICANT: Bryan, Bruce
APPLICANT: Szent-Gyorgyi, Christopher
APPLICANT: Szent-Gyorgyi, Christopher
APPLICANT: Szent-Gyorgyi, Christopher
TITLE OF INVENTION: LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE
CURRENT APPLICATION NUMBER: US/09/277,716A
EARLIER APPLICATION NUMBER: 60/102,939
EARLIER PILING DATE: 1998-10-01
EARLIER PILING DATE: 1998-10-15
EARLIER FILING DATE: 1998-06-15
EARLIER FILING DATE: 1998-06-15
EARLIER FILING DATE: 1998-03-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            241 ATTTGCCATAATGGAGACCCGTTTTTATTGAATATCGTCAGTTTCCAATTAAAGTCATTT 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 839 TIABATCGAATGATTAGTTGTTTTTTTAATCAACAGAACTTACAAATCGAAAAGTAAAA 898
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: Coding Sequence
LOCATION: 115...702
OTHER INFORMATION: apoaequorin-encoding gene
PUBLICATION INFORMATION: PATENT NO.: 5,093,240
                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/597,274
APPLICATION NUMBER: 08/597,274
FILING DATE: 02-06-96
ATTONNEY,AGENT INFORMATION:
NAME: Seidman, Stephanie L
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 34,779
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-450-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AUTHORS: Inouye et al.
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
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Sequence 5, Application US/09277716A
Patent No. 6232107
             APPLICATION NUMBER: 08/757,046 FILING DATE: 11-25-96 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 12.95
Best Local Similarity 57.25
Matches 95; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear MOLECULE TYPE: CDNA HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PAGES: 3154-3158
DATE: (1985)
S-09-135-988-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FRAGMENT TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HYPOTHETICAL:
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                                                                                                                                                                                                                                                                      AUTHORS: Inouye, S. IIIIIE: Cloning and sequence analysis of CDNA for the luminescent protein JOURNAL: Proc. Natl. Acad. Sci. USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 12.9%; Score 52.4; DB 3; Length 958; Best Local Similarity 57.2%; Pred. No. 0.011; Matches 95; Conservative 0; Mismatches 71; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5, Application US/08597274A

Patent No. 6247995
GENERAL INFORMATION:
APPLICANT: Bryan, Bruce
ITILE OF INVENTION: BIOLUMINESCENT NOVELTY ITEMS
TOWNERS OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
                                                                                                                      OTHER INFORMATION: Appa equorin-encoding gene PUBLICATION INFORMATION:
PATENT DOCUMENT NUMBER: 5,093,240
PATENT FILLNG PEE: 1987-10-08
PUBLICATION DATE: 1992-03-03
PUBLICATION INFORMATION:
ORGANISM: Aequorea (luminescent jellyfish)
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DAYS.

CURRENT APPLICATION DAYS.

APPLICATION NUMBER: US/08/597,274A
FILING DATE: 02/06/96
CLASSIPICATION: 435
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REGISTRATION NUMBER: 33.779
REFERENCE/DOCKET NUMBER: 6680-105
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM Compatible OPERATING SYSTEM: DOS
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Gaps

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Gaps

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241 AITTGCCATAAFGGAGACCCGTTTTTAITGAATAICGTCAGTTTCCAATTAAAGTCATTT 300

ch 12.9%; Score 52.4; DB 4; Length 958; I Similarity 57.2%; Pred. No. 0.011; 95; Conservative 0; Mismatches 71; Indels (

Best Local Matches d á g δÀ

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GENERAL INFORMATION:
APPLICANT: BEYAN, BILUCE
APPLICANT: BESTL-GYOTYI, Christopher
APPLICANT: BESTL-GYOTYI, Christopher
APPLICANT: BESTL-GYOTYI, CHRISTOPHER
APPLICANT: BESTL-GYOTYI, CHRISTOPHER
TITLE OF INVENTION: LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE
TITLE OF INVENTION: AND FLUORESCENT PROTEINS AND THE USE THEREOF IN DIAGNOSTICS,
TITLE OF INVENTION: SCREENING AND NOVELTY ITEMS
TITLE OF INVENTION: SCREENING AND NOVELTY ITEMS
TITLE OF INVENTION: SCREENING AND NOVELTY ITEMS
TITLE OF INVENTION NUMBER: US/09/609,161B
CURRENT FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/102,939
PRIOR FILING DATE: 1998-06-15
PRIOR FILING DATE: 1998-06-15
PRIOR FILING DATE: 1998-06-15
PRIOR FILING DATE: 1998-03-27
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PATENTIN VET. 2.0 Sequence 5, Application US/09609161B Patent No. 6436682 RESULT 10 US-09-609-161B-5 APPLICATION NUMBER: US/08/908,909 FILING DATE: 08-AUG-1997 CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/023,374
FILING DATE: 08-AUG-1996
CLASSIFICATION: 435

OPERATING SYSTEM: DOS SOFTWARE: FastSEQ Version 1.5 CURRENT APPLICATION DATA:

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NAME/KEY: Coding Sequence
LOCATION: 115...702
OTHER INFORMATION: apoaequorin-encoding gene
PUBLICATION INFORMATION:
AUTHORS: Inouye et al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Proc. Natl. Acad. Sci. U.S.A.
         REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6680-108
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; DATE: (1985)
; DOCUMENT NUMBER: 5,093,240
US-08-908-909-5
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L
                                                                                                                                                ι.
..
                                                                                                                                       INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
TYPE: nucleic acid
STRANDEDMESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PAGES: 3154-3158
                                                                                                                                                                                                                                                                       HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
FEATURE:
                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    JOURNAL:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 779 ATTITICCAAATTITIGAACGATTICAATCGTTIGTGTTTTTTTGTAATTAGGAACAGA 838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     839 TTAAATCGAATGATTAGTTGTTTTTTAATCAACAAACTTACAAAATCGAAAAAGTAAAA 898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE: Cloning and Sequence analysis of cDNA for the luminescent protein ITILE: aequorin JOURNAL: Proc. Natl. Acad. Sci. USA VOLUME: 82(10) PAGES: 3154-3158 DAGES: 1985-05 S-09-609-1618-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
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APPLICANT: Bruce J. Bryan
APPLICANT: Stephen Gadlema
APPLICANT: Stephen Gadlema
APPLICANT: Randall B. Murphy
TITLE OF INVENTION: APPARATUS AND METHOD FOR DETECTING AND
TITLE OF INVENTION: IDENTIFYING INFECTIOUS AGENTS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: CDS
LOCATION: (115)..(702)
COTHER INFORMATION: Apoacquorin-encoding gene PUBLICATION INFORMATION: Apoacquorin-encoding gene PUBLICATION INFORMATION: ACTION OF ENTER 1992-03-03
PUBLICATION DATE: 1992-03-03
PUBLICATION DATE: 1992-03-03
AUTHORS: Inouye, S.
AUTHORS: Inouye, S.
AUTHORS: Akayi, Y.
AUTHORS: Takagi, Y.
AUTHORS: Myaca, T.
AUTHORS: Myaca, T.
AUTHORS: Myaca, T.
AUTHORS: Myaca, T.
AUTHORS: Takagi, Y.
AUTHORS: Takagi, Y.
AUTHORS: Myaca, T.
AUTHORS: Takagi, Y.
                                                                                ORGANISM: Aequorea (luminescent jellyfish)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/990,103
FILING DATE: 12-DEC-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          S-08-990-103-5
Sequence 5, Application US/08990103
Patent No. 6458547
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 57.23
Matches 95; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 San Diego
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SEQ ID NO 5
LENGTH: 958
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                                                        TYPE: DNA
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241 ATTTGCCATAATGGAGACCCGTTTTTATTGAATATCGTCAGTTTCCAATTAAAGTCATTT 300
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Pred. No. 0.011;
0; Mismatches 71; Indels
                                                                                                                                                                                                                                                                                                                                                                                             FRAGEMENT TYPE:
ORIGINAL SOURCE:
FRATURE:
NAME/FRY:
COding Sequence
LOCATION: 115...702
OTHER INFORMATION:
PUBLICATION INFORMATION:
AUTHORS: INOUP eat 1.
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ADDRESSEE: ROSS Products Division
ADDRESSEE: Abbort Laboratories
STREET: 625 Cleveland Avenue
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/037,675,
FILING DATE: 02-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/033,745
FILING DATE: 12-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Seldman, Stephanie L
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6680-112
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                            6680-112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1, Application US/08308883 Patent No. 5576300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; PAGES: 3154-3158
; DATE: (1985)
; DOCUMENT NUMBER: 5,093,240
US-08-990-103-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 57.2%;
Matches 95; Conservative
                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                            TELEPHONE: 619-238-099 TELEFAX: 619-238-0062
                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: CDNA
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                                                                                                                                                                                                                                                                                                                                                                     HYPOTHETICAL: NAME ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-308-883-1
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APPLICANT: Mukerji, P.
APPLICANT: Priect, P.A.
APPLICANT: Baxter, J. H.
APPLICANT: Baxter, J. H.
APPLICANT: Baxter, J. H.
APPLICANT: Cummings, R.D.
TILE OF INVENTION: Product for Inhibition of Human Rotavirus Infection, NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lonnie R. Drayer
ADDRESSEE: A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Columbus
STATE: Ohio
COUNTYS: United States
COMPUTER READABLE FORM:
MEDIOM TYPE: 3.5 inch, 1.44 Mb storage (B)COMPUTER: Apple Macintosh
OPERATING SYSTEM: MacIntosh System 7.1(D)SOFIWARE: ClarisWorks 1.0
APPLICATION NUMBER: US/O8/730,163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OD: DNA sequencing and restriction analysis
The encoded product of nucleotide SEQ ID NO: 1:
                                APPLICATION ....
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/308,882
FILING DATE: 16-SEP-1994
TELECOMOUNICATION INFORMATION:
TELEPHONE: (614) 624-3774
TELERAX: (614) 624-3774
TELERAX: No. 5712250e
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 857 base pairs
....... Nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MAMEDIATE SOURCE: Human Mammary Gland LIBRARY:
                                                                                                                                                                                                Sequence 1, Application US/08730163
Patent No. 5712250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             625 Cleveland Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TISSUE TYPE: Mammary gland CELL TYPE: CELL LINE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE: Adult
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE: Human
ORGANISM: Homo sapiens
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IDENTIFICATION METHOD:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: Nucleic acid
STRANDEDNESS: Single
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   POSITION IN GENOME:
CHROMOSOME/SEGMENT:
MAP POSITION:
UNITS:
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                                                                                                                                                                    US-08-730-163-1
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                                B,
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LOCATION: 45...593
LOCATION HETHOD: DNA sequencing and restriction analysis
OTHER INFORMATION: The encoded product of nucleotide SEQ ID NO: 1: is the human
PUBLICATION INFORMATION:
AUTHORS: L. Hansson et al
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AUTHORS: L. Hansson et al
TITLE: DNA Encoding Kappa-Casein, Process for Obtaining the Protein and Use The
JOURNAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      741 TICATGCCACATICCAATATTITGATTCTIGCACAATAAAGCCAACTGATTGCAAAAAAA 800
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                                                                       COMPUTER READBLE FORM:
MEDIOM TYPE: 3.5 inch, 1.44 Mb storage
COMPUTER: Apple Macintosh
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh System 7.1
SOFTWARE: Clarismorks 1.0
CURRENT APPLICATION DATA:
CLASSIFICATION NUMBER: 105/08/308,883
FILING DATE: 16-SEP-1094
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: No. 5576300 applicable
TELECOMONICATION DATA: No. 5576300 applicable
TELECOMONICATION INFORMATION:
TELEPHONE: (614) 624-3774
TELERAX: No. 5576300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERIESTICS:
LENGTH: 857 base pairs
TYPE: Nucleic acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: Linear
MOLECULE TYPE: CDNA
DESCRIPTION: Human milk kappa-casein
HYPOTHETICAL: No
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CRLL LINE:
ORGANELLE:
IMMEDIATE SOURCE: Human Mammary Gland
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PUBLICATION DATE: 05-AUG-1993
RELEVANT RESIDUES IN SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE: Human
ORGANISM: Homo sapiens
STRANT:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE: Adult
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HAPLOTYPE:
TISSUE TYPE: Mammary gland
                     COUNTRY: United States ZIP: 43215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               POSITION IN GENOME:
CHROMOSOME/SEGMENT:
MAP POSITION:
UNITS:
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ORIGINAL SOURCE:
ORGANISM: HOM
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LOCATION:
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LOCATION:
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LOCATION:
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LOCATION:
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FEATURE:
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                                                                                                                                                                                                                                                                                              US-08-256-799-1
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                                    FEATURE:
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 : L. Hansson et al
DNA Encoding Kappa-Casein, Process for Obtaining the Protein and Use The
                                                                                                                                                                                                                                                                                          741 TICAIGCCACATICAATATITIGATICTIGCACAATAAAGCCAACTGAITGCAAAAAAA 800
                                                                                                                                                                                                                                                            0; Gaps
                                                                                                                                                                                                                                                                                                                                                           APPLICANT: HANSSON, Lennart
APPLICANT: STROEMOUYST, Mats
APPLICANT: BERNELL, Olle
APPLICANT: TOETNELL, Olle
APPLICANT: TOETNELL, Jan
ATILLE OF INVENTION: OBJAINING THE PROTEIN AND USE THEREOF
                                                                                                                                                                                                                         Length 857;
                                                                                                                                                                                                                                                          35; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CONTITE 2004
CONTITE 2004
CONTITE TOPPY disk
COMPUTER FLOPPY disk
COMPUTER IEM PC COMPATIAL
CORPATIAL
CORPATIAL
CORPATION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,799
FILING DATE: 06-DEC-1994
FILING APPLICATION 1435
PRIOR APPLICATION NUMBER: DK 88/92
FILING DATE: 3-JAN-1992
ATPORENT/AGRET INFORMATION:
ANAMEN/AGRET INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 419 Seventh Street, N.W., Suite 300 CITY: Washington
                                                                                                                                                                                                                        Score 52; DB 3
Pred. No. 0.013
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HANSSON=1
                                                                                                                     PCT/W093/15196
                                                                                                                               FILING DATE: 25-JAN-1993
PUBLICATION DATE: 05-AUG-1993
RELEVANT RESIDUES IN SEQ ID NO:
S-08-730-163-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BROWDY AND NEIMARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1, Application US/08256799
Patent No. 6222094
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: COOPER, IVER P. REGISTRATION NUMBER: 28,005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: HA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                         12.8%;
67.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                      Query Match
Best Local Similarity 6/...
And 73; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 857 base pairs TYPE: nucleic acid
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ADDRESSEE: BROWDY AN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
                                                                                                      DATE:
DOCUMENT NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: HANSSO
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STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: D. COUNTRY:
                  TITLE: D
JOURNAL:
AUTHORS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                ESULT 14
S-08-256-799-1
                                                  VOLUME:
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299 TTCGAGCCATACTGAATAATTTTGTAATCTAACAACAGATGCAATAGTTTAAATTAAACTT 358
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: DNA ENCODING KAPPA-CASEIN, PROCESS
TITLE OF INVENTION: FOR OBTAINING THE PROTEIN AND USE THEREOF
NUMBER OF SEQUENCES: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 857;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: USA

ZIP: 20004

ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE : Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/462,437

TITING DATE: US-UNN-1995
                                                                                                                                                                                                                                                                                                                                                                                          Score 52; DB 3; Le
Pred. No. 0.013;
0; Mismatches 35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1, Application US/08462437
Patent No. 6232094
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DK 88/92
FILING DATE: 23-JAN-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28,005
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: HANSSON, Lennart
APPLICANT: STROEMOVIST, Mats
APPLICANT: BERGSTROEM, Sven
APPLICANT: HERNEIL, Jan
APPLICANT: TOERNEIL, Jan
                                                                                                                                                                                                                                                                                                                                                                                          Query Match 12.8%;
Best Local Similarity 67.6%;
Matches 73; Conservative
Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 248633
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                       mat_peptide
45..593
                                                                                                                                                                        sig_peptide
45..104
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                202-737-3528
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ADDRESSEE: BROWDY AN
STREET: 419 Seventh
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IENGTH: 857 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: ON
ORGANISM: Homo sapiens
FEBATURE:
NAME/KEY: CDS
LOCATION: 45..593
FEBATURE:
NAME/KEY: mat_peptide
LOCATION: 45..593
FEBATURE:
NAME/KEY: sig_peptide
LOCATION: 45..104
FEBATURE:
NAME/KEY: 5'UTR
LOCATION: 13..44
FEBATURE:
NAME/KEY: 3'UTR
LOCATION: 594..848
JS-08-462-437-1

12.8%; Score 52; DB 3; Length 857; Best Local Similarity 67.6%; Pred. No. 0.013; Matches 73; Conservative 0; Mismatches 35; Indels
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0; Gaps

search completed: October 16, 2003, 17:48:28
Tob time: 72.secs